What is claimed is:

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Polishing slurry for texturing a surface of a magnetic hard disk substrate,
said polishing slurry comprising:

abrading particles with diameters in the range of 1-10nm, selected from the group consisting of monocrystalline diamond particles, polycrystalline diamond particles and cluster particles comprising monocrystalline and polycrystalline diamond particles; and

- a dispersant for said abrading particles selected from the group consisting of water and water-based aqueous solutions.
- 2. The polishing slurry of claim 1 wherein said abrading particles further include coagulated cluster particles inside said dispersant, said coagulated cluster particles being coagulated particles of said cluster particles.
- 3. The polishing slurry of claim 1 containing said abrading particles in an amount of 0.01 weight % or greater with respect to the total of said polishing slurry.
- 4. The polishing slurry of claim 1 containing said abrading particles in an amount of 0.01-3 weight % with respect to the total of said polishing slurry.
 - 5. The polishing slurry of claim 1 containing said abrading particles in an amount of 0.01-1 weight % with respect to the total of said polishing slurry.
- 25 6. The polishing slurry of claim 2 containing said abrading particles in an amount of 0.01-1 weight % with respect to the total of said polishing slurry.
 - 7. The polishing slurry of claim 1 wherein said water-based aqueous solution is an aqueous solution having an additive added to water, said additive being of one or more material selected from the group consisting of non-ionic surfactants, organic

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phosphoric acid esters, higher fatty acid amides, glycol compounds, higher fatty acid salts, and anionic surfactants.

- 8. The polishing slurry of claim 9 wherein said additive is contained in an amount of 1-10 weight % with respect to the total of said polishing slurry.
 - 9. A method of texturing a surface of a magnetic hard disk substrate, said method comprising the steps of:

rotating said magnetic hard disk substrate;

supplying polishing slurry on said surface; and

pressing a polishing tape on said surface and running said polishing tape;

wherein said polishing slurry comprises:

abrading particles with diameters in the range of 1-10nm, selected from the group consisting of monocrystalline diamond particles, polycrystalline diamond particles and cluster particles comprising monocrystalline and polycrystalline diamond particles; and

- a dispersant for said abrading particles selected from the group consisting of water and water-based aqueous solutions.
- 10. The method of claim 9 wherein said polishing tape is of a material selected from the group consisting of woven cloth, unwoven cloth, flocked cloth, raised cloth and foamed materials.
 - 11. The method of claim 10 wherein said woven cloth, said unwoven cloth and said raised cloth comprise microfibers.
 - 12. The method of claim 10 wherein said flocked cloth has microfibers that are planted and said raised cloth has microfibers that are raised.
- 13. The method of claim 11 wherein said microfibers have a width in the range of $0.1-5\mu m$.

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- 14. The method of claim 12 wherein said microfibers have a width in the range of $0.1-5\mu m$.
- 15. The method of claim 10 wherein said foamed material has a surface with indentations formed by air bubbles, said indentations have diameters in the range of 0.1- $5\mu m$.